FIG.1
Related Art

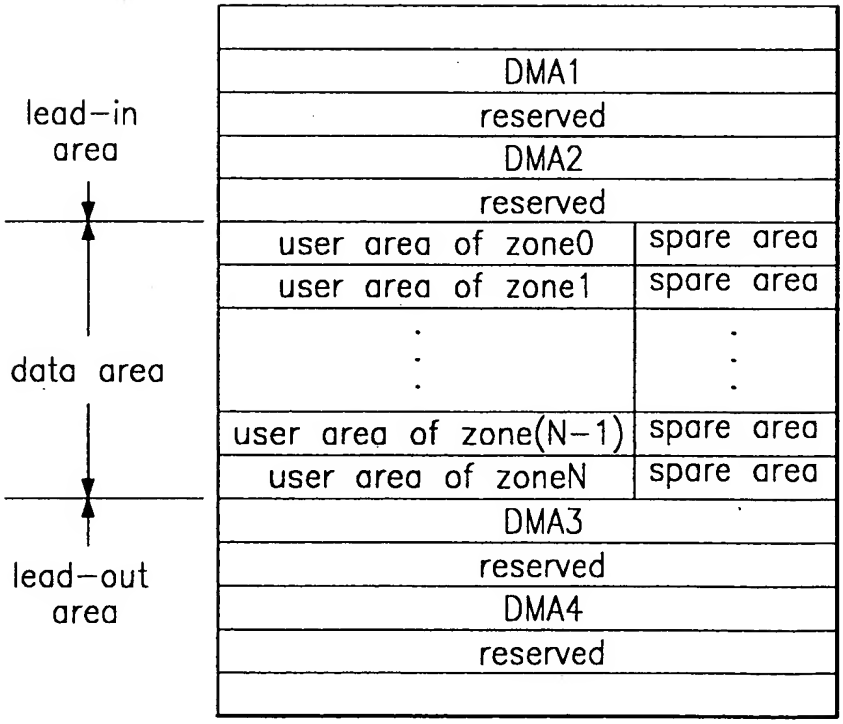


FIG.2A
Related Art

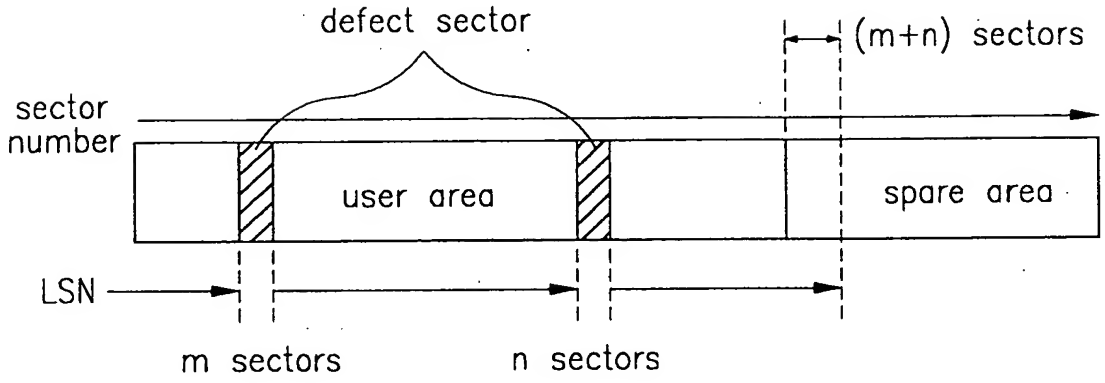


FIG.2B
Related Art

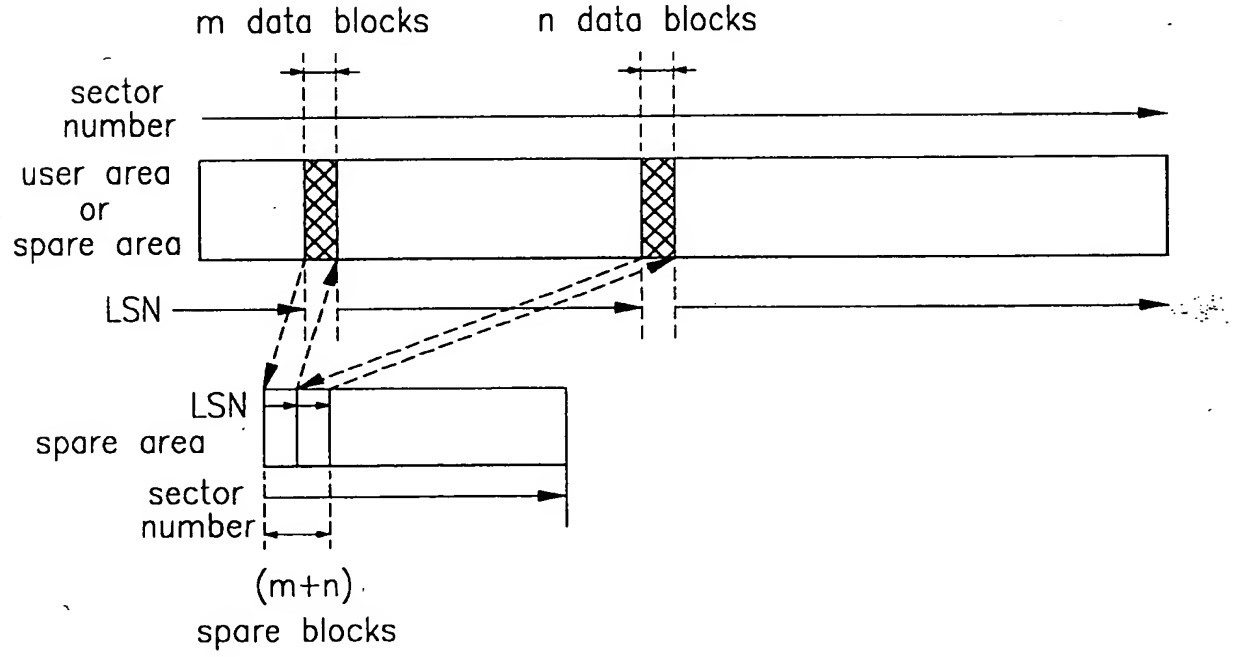


FIG.3
Related Art

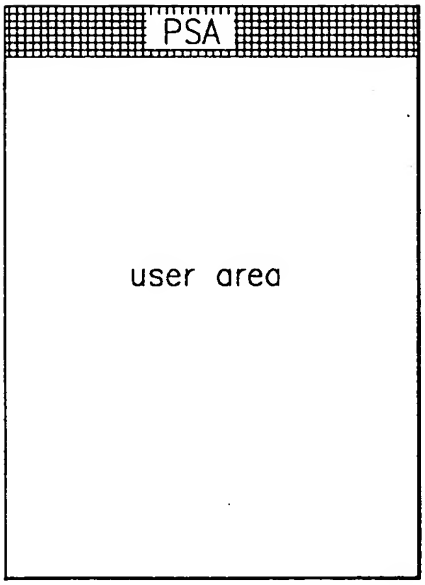


FIG.4
Related Art

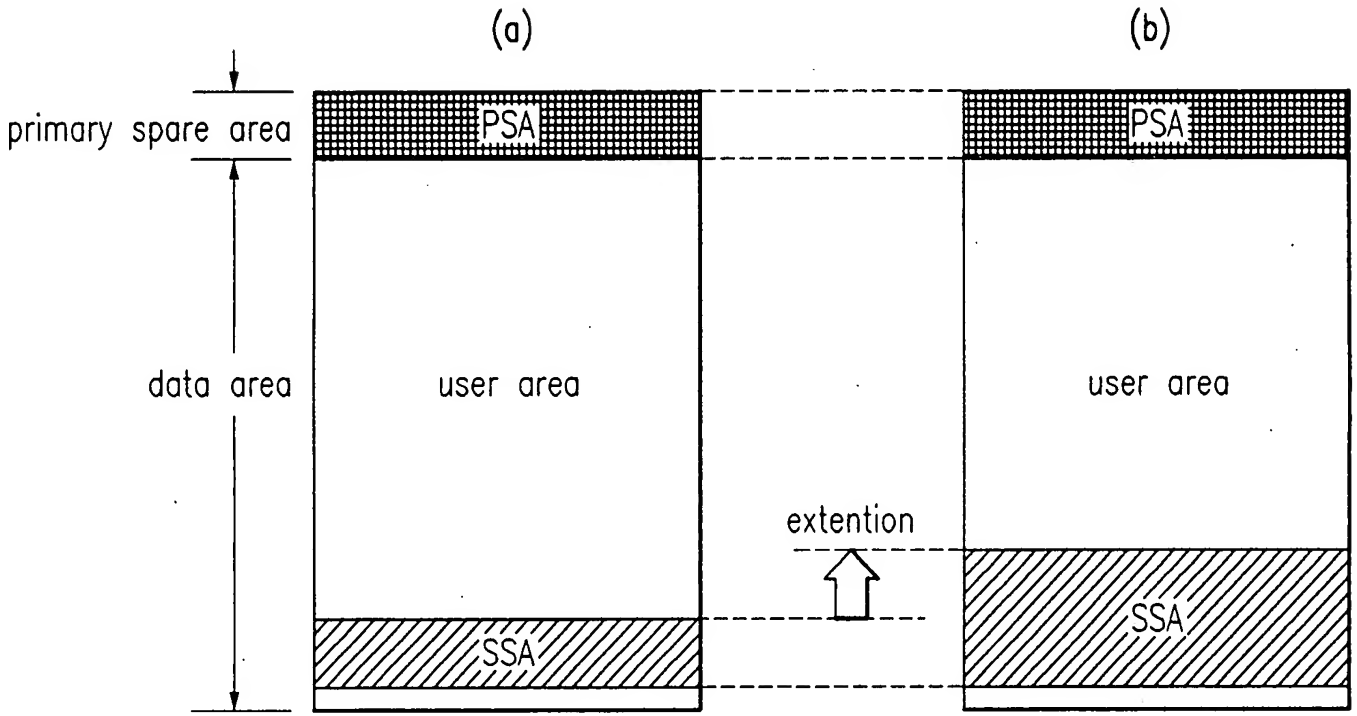


FIG.5A
Related Art

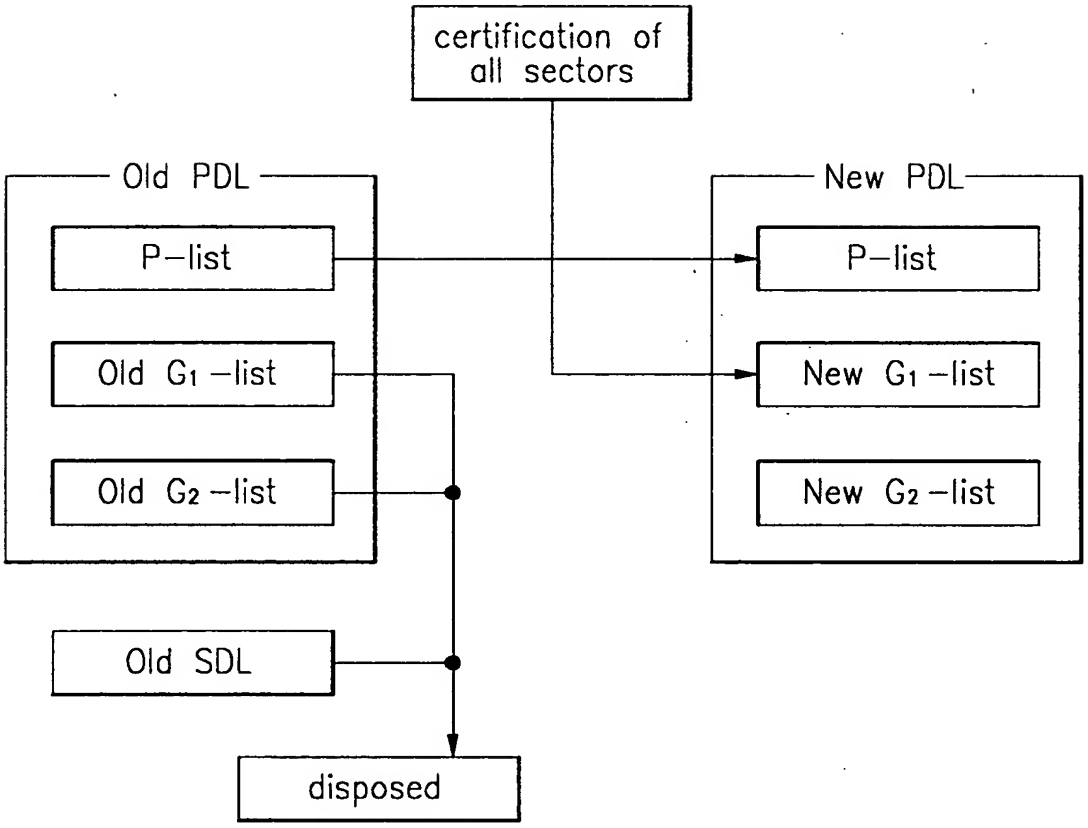


FIG.5B
Related Art

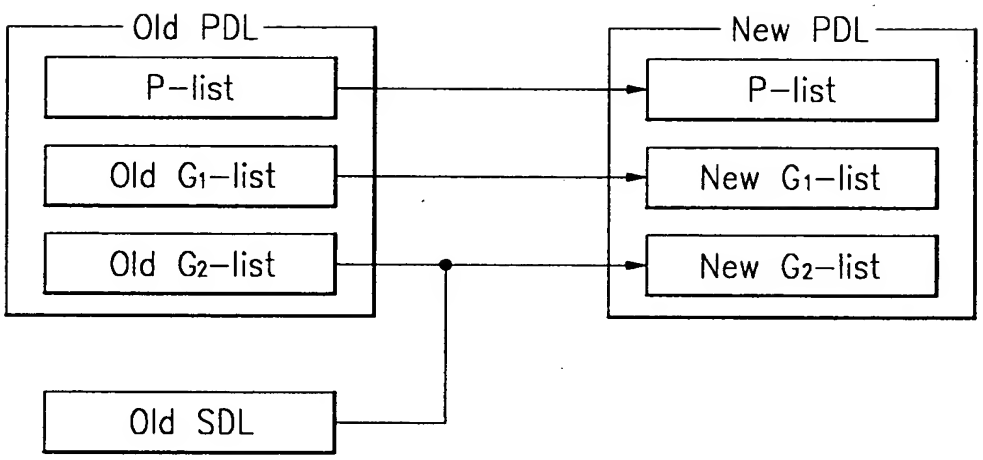
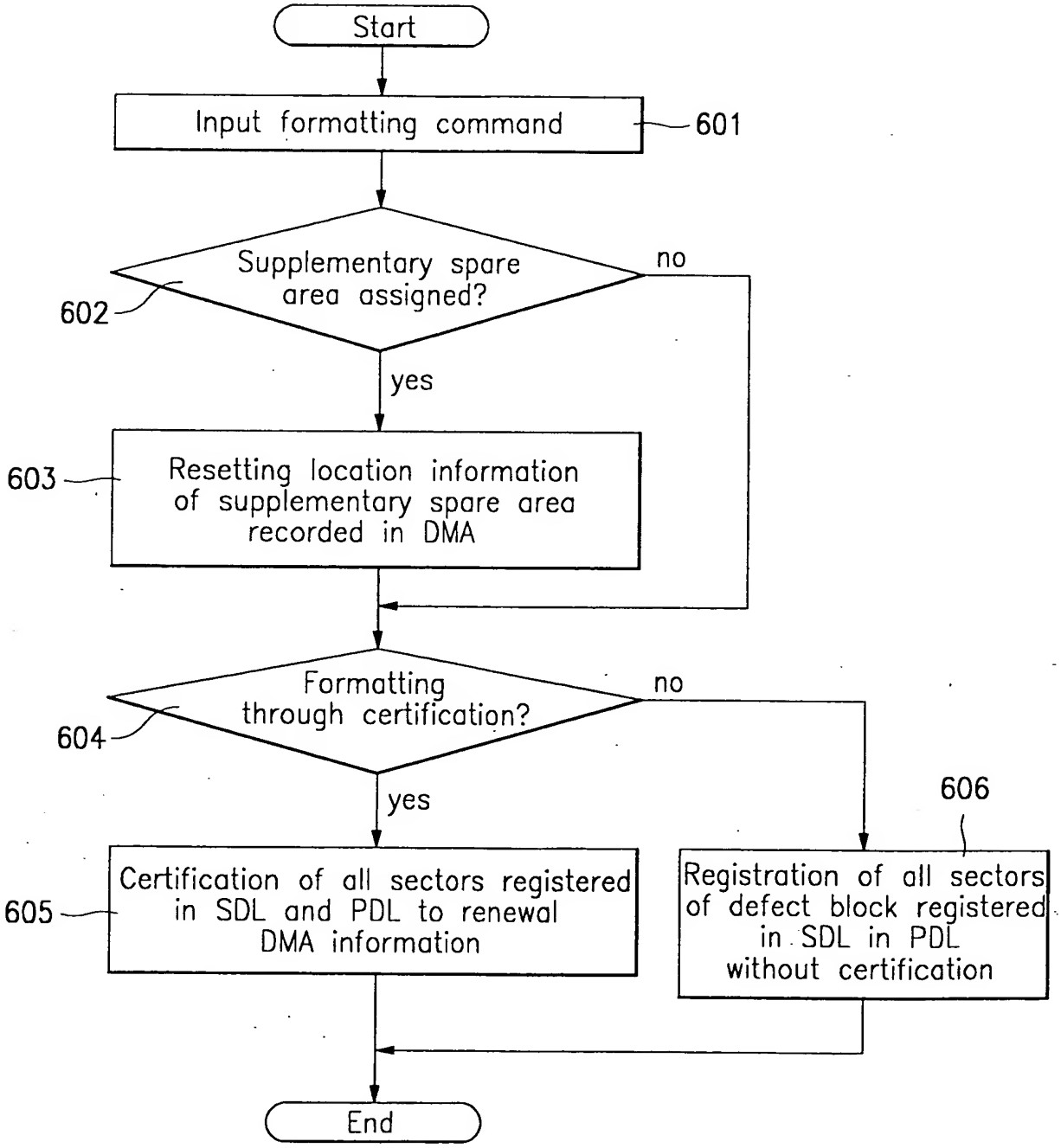


FIG.6


Start
Input formatting command
601
Supplementary spare area assigned?
602
no
yes
Resetting location information of supplementary spare area recorded in DMA
603
Formatting through certification?
604
no
yes
606
Certification of all sectors registered in SDL and PDL to renewal DMA information
605
Registration of all sectors of defect block registered in SDL in PDL without certification
End